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(71)Applicant : DENSO CORP

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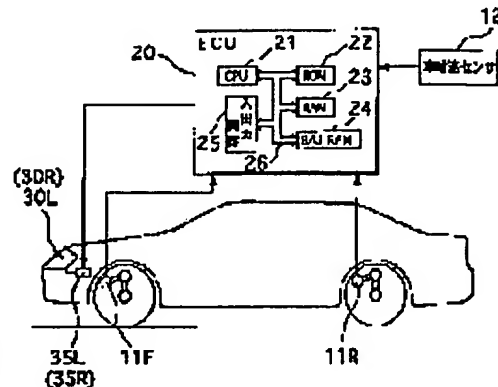
(72)Inventor : OKUCHI HIROAKI

(54) HEADLIGHT OPTICAL-AXIS DIRECTION AUTOMATIC ADJUSTER FOR VEHICLE

(57)Abstract:

PROBLEM TO BE SOLVED: To avoid improper control in the optical-axis directions of the headlights of a vehicle corresponding to the running conditions of the vehicle.

SOLUTION: The pitch angles of a left and a right headlight 30L and 30R with respect to the horizontal plane in the optical-axis directions are calculated on the basis of signals from height sensors 11F and 11R arranged at the front and the rear wheels of a vehicle, and actuators 35L and 35R are driven based on the pitch angles to adjust the optical-axis directions of the headlights 30L and 30R. When the vehicle is found running on a rough road, the responsiveness in adjusting the optical-axis directions of the headlights 30L and 30R is delayed. That control allowing for road-surface conditions prevents in advance the adjustment of the optical-axis directions of the headlights 30L and 30R from adversely causing glare to oncoming vehicles or a drop in distant visibility of the driver.



LEGAL STATUS

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